

**REMARKS**

Claim 19 is added herein. Reconsideration of the claims is respectfully requested. Claims 1-14 and 17-19 are pending. Reconsideration of all outstanding rejections is requested.

At page 4, item 3 of the Office Action, claims 1-3, 5, 7-11, 13 and 17-18 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Ozkan et al. (U.S. Patent 6,111,611) in view of Otsuki et al. (U.S. Patent 5,929,932). This rejection is respectfully traversed in view of the following arguments.

Claim 1 recites "displaying, on a television screen, minor channel numbers of programs received through a currently selected major channel." This feature is illustrated, for example, in Fig. 3 of the current application, which illustrates a major channel 302, and minor channels 304-310. In Fig. 3, the major channel 302 corresponds to an RF channel, and the minor channels 304-310 correspond to programs broadcast through the major channel 302. Thus, the channel numbers 302-310 are related because they all share the same major channel 302.

As previously argued by the Applicants, neither Ozkan et al. nor Otsuki et al. disclose displaying minor channel numbers of programs received through a currently selected major channel. In response to the Applicants' arguments, the Examiner now states that Ozkan et al. does not explicitly detail these features of claim 1. Instead, the Examiner states that Ozkan et al. clearly suggests the claimed display.

However, Ozkan et al. teaches away from displaying channel numbers of the selected minor channel. Column 3, lines 30-32 of this reference disclose that a TV channel or an on screen member (i.e., channel guide) may be displayed. In other words, only one of the two items can be displayed at a time. Thus, this reference teaches away from displaying the channel and the channel information together.

Furthermore, FIG. 3 of this reference discloses a bundle number 300, and a channel number in bundle 305. However, only a single channel number in bundle 305 is illustrated. Therefore, this reference does not disclose displaying multiple minor channel numbers of a currently selected major channel.

With respect to Otsuki et al., the Examiner relies upon Otsuki et al. as disclosing a graphical user interface wherein the user chooses a particular category or sub-menu, such as movies, news or sports. Figure 7 of this reference illustrates sub-menus displayed on the

program guide screen by a category. Otsuki et al., column 7, lines 37-55. Thus, Otsuki et al. does not display minor channel numbers of a major channel, but instead displays categories of programming. Accordingly, the Examiner's cited references do not disclose a feature of claim

1. Based on the above, withdrawal of the rejection of claim 1, and claims 2-3 and 5 depending therefrom, is requested.

Claim 7 recites "selecting a radio frequency (RF) channel corresponding to a major channel number selected by a user... and displaying minor channel numbers received through said major channel on a television screen." For similar reasons as noted above, claim 7, and claims 8-11 and 13 depending therefrom, are patentable over the Examiner's cited references.

Independent claims 17 and 18 recites similar features that distinguish these claims from the Examiner's cited references.

At page 9, item 4 of the Office Action, claims 4 and 6 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Ozkan et al. and Otsuki et al., and further in view of Youman et al. (U.S. Patent 5,629,733). This rejection is respectfully traversed in view of the following arguments.

Claims 4 and 6 depend from claim 1, and are therefore patentable over Ozkan et al. and Otsuki et al. for at least the above reasons. Youman et al. does not overcome the above deficiencies in Ozkan et al. and Otsuki et al., and is not relied upon by the Examiner for this purpose. Instead, the Examiner relies upon Youman et al. as disclosing hiding channels as a result of inactivity of the user. Accordingly, withdrawal of the rejection of claims 4 and 6 is requested.

At page 9, item 5 of the Office Action, claims 12 and 14 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Ozkan et al. and Otsuki et al., and further in view of Keenan (U.S. Patent 5,629,733). This rejection is respectfully traversed in view of the following arguments.

Claims 12 and 14 depend from claim 7, and are therefore patentable over Ozkan et al. and Otsuki et al. for at least the above reasons. Keenan does not overcome the above deficiencies in Ozkan et al. and Otsuki et al., and is not relied upon by the Examiner for this purpose. Instead, the Examiner relies upon Keenan as disclosing an endless loop operation. Accordingly, withdrawal of the rejection of claims 12 and 14 is requested.

**NEW CLAIM:**

New claim 19 is added and recites "a number of the major channel is not displayed." It is respectfully submitted that the Examiner's cited references do not disclose this feature.

**CONCLUSION:**

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.


If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: 11-27-01

By:

  
Michael J. Badagliacca  
Registration No. 39,099

700 Eleventh Street, NW, Suite 500  
Washington, D.C. 20001  
(202) 434-1500